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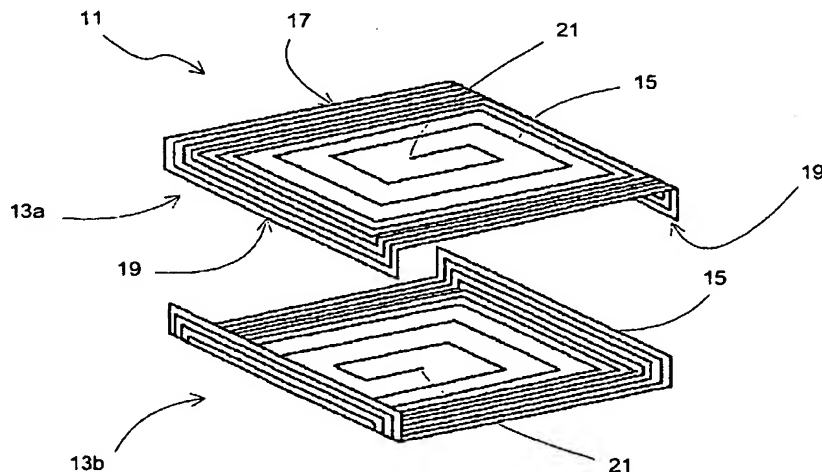
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(54) Title: PROBE COIL FOR DETECTING NQR-RESPONSIVE MATERIALS IN LARGE VOLUMES



(57) Abstract: A coil assembly (11) comprising two coil sections (13a and 13b). Each of the sections (13) consists of a combination of a spiral coil (15) having a variable coil pitch arranged in a saddle shape configuration. The saddle shape has a central portion (17) and a pair of outer coextending portions (19). The coil sections (13) are located opposite each other with the central portions (17) of the respective sections disposed in parallel spaced apart relationship and the corresponding coextending portions (19) of the respective sections disposed in coplanar alignment with each other so that the sections combine to circumscribe a scanned volume within which the target substance is to be disposed.

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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT; ESP@CE; USPTO: Nuclear quadrupole, coil, probe		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,276,398 A (WITHERS ET AL) 04 January 1994 Column 4, lines 30-54 and figs.1,2,11,17a	1,3,4
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/AU03/01470

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	5276398	EP	0654147	WO	93/24848
		CA	2137079	AU	677590
				DE	69331604
					END OF ANNEX